

LISTING OF CLAIMS

1. (Currently Amended) A treatment system for reducing body perimeter at a region of treatment, said treatment system comprising:

an ultrasound apparatus, for transmitting ultrasound waves to said region of treatment, at a minimum intensity of 1.5 W/cm²; and

an electrical stimulation apparatus, for applying electrical stimulation to said region of treatment simultaneously with said transmission of ultrasound waves, wherein said electrical stimulation comprises interferential stimulation.
2. (Original) The treatment system of claim 1, wherein said reduction of body perimeter comprises reducing or eliminating cellulite.
3. (Original) The treatment system of claim 1, wherein said reduction of body perimeter comprises reducing body fat.
4. (Previously presented) The treatment system of claim 1, wherein said reduction of body perimeter comprises reduction of body perimeter in a human or an animal.
5. (Previously presented) The treatment system of claim 1, wherein said reduction of body perimeter comprises reduction of body perimeter in regions of the body selected from the list consisting of: legs, thighs, knees, buttocks, abdomen, and arms.
6. (Original) The treatment system of claim 1, wherein said system is utilized to reduce or eliminate stretch marks.
7. (Previously presented) The treatment system of claim 6, wherein said stretch marks are located on the abdomen and mid-sections of women.
8. (Original) The treatment system of claim 1, wherein said system is utilized to reduce or eliminate at least one selected from the list consisting of: sagging skin, skin having stretch marks on it, and skin affected by cellulite.

9. (Original) The treatment system of claim 8, wherein said sagging skin comprises upper arm skin.
10. (Previously presented) The treatment system of claim 8, wherein said system is utilized to render the general appearance of said sagging skin to look and feel smooth, or to return said appearance of said sagging skin to the state it appeared before sagging.
11. (Previously presented) The treatment system of claim 1, wherein said ultrasound apparatus is operational at a frequency ranging between 1 to 4 MHz.
12. (Currently Amended) The treatment system of claim 1, wherein said ultrasound apparatus is operational at an intensity of approximately ranging between 1.5 to 3 W/cm².
13. (Previously presented) The treatment system of claim 1, wherein said ultrasound apparatus is operational for a duration of 40 to 45 minutes per session.
14. (Canceled)
15. (Previously presented) The treatment system of claim 1, wherein said ultrasound apparatus is operational at a frequency of approximately 3 MHz.
16. (Canceled)
17. (Previously presented) The treatment system of claim 1, wherein said ultrasound apparatus is operational at a frequency of approximately 1 MHz.
18. (Cancelled)
19. (Previously presented) The treatment system of claim 1, wherein the operational frequency of said ultrasound apparatus is varied over time.
20. (Previously presented) The treatment system of claim 1, wherein pressure exertion is provided on said region of treatment during said transmission of ultrasound waves.
21. (Canceled)
22. (Canceled)

23. (Canceled)
24. (Previously presented) The treatment system of claim 20, wherein said pressure exertion comprises manual pressure with a transducer head of said ultrasound apparatus against said region of treatment.
25. (Previously presented) The treatment system of claim 24, wherein said transducer head is used to provide a massaging action to said region of treatment.
26. (Original) The treatment system of claim 25, wherein said massaging action comprises moving said transducer head in ways selected from the list consisting of: small circular motions all the while keeping the wrist straight, and tilting and moving the wrist in different directions repetitively.
27. (Previously presented) The treatment system of claim 20, wherein said pressure exertion comprises mechanical massaging.
28. (Previously presented) The treatment system of claim 20, wherein said pressure exertion comprises manual massaging.
29. (Previously presented) The treatment system of claim 20, wherein said pressure exertion comprises a massage given by bare hands.
30. (Canceled)
31. (Previously presented) The treatment system of claim 1, wherein said electrical stimulation apparatus is operational in an intensity range between 5 mA to 90 mA.
32. (Previously presented) The treatment system of claim 1, wherein said electrical stimulation apparatus is operational in a frequency range between 5 Hz to 150 Hz.
33. (Previously presented) The treatment system of claim 1, wherein said interferential stimulation is selected from the list consisting of:

premodulated;

biphasic;

interferential (I/F) isoplanar (4 poles);

interferential (I/F) vectorial (4 poles); and

medium frequency (M/F).

34. (Previously presented) The treatment system of claim 1, wherein said interferential stimulation is used in a pattern variation, wherein said pattern variation lasts for varying durations, wherein said pattern variation comprises changing said interferential stimulation during a treatment session.

35. (Previously presented) The treatment system of claim 32, wherein the frequency of operation of said electrical stimulation apparatus is varied over time within said frequency range.

36. (Previously presented) The treatment system of claim 35, wherein said variation over time of said frequency of operation of said electrical stimulation apparatus is selected from the list consisting of:

applying a first frequency for a fixed amount of time before switching to a second frequency;

gradually changing frequencies from a first frequency to a second frequency over various time durations; and

intermittently applying extreme frequencies within said frequency range.

37. (Previously presented) The treatment system of claim 1, wherein the rate of a variation of an operational frequency of said ultrasound apparatus is inversely proportional to an operational parameter of said electrical stimulation apparatus, said operational parameter selected from the list consisting of:

the rate of variation of operational frequency;

the rate of variation of intensity; and

the rate of variation of an operational pattern.

38. (Previously presented) The treatment system of claim 1, wherein said ultrasound apparatus is used in conjunction with a gel rubbed on said region of treatment.

39. (Original) The treatment system of claim 1, further comprising a camera.

40. (Original) The treatment system of claim 1, further comprising a processor.

41. (Original) The treatment system of claim 1, further comprising a measuring apparatus.

42. (Original) The treatment system of claim 41, wherein said measuring apparatus further comprises a pressure gauge.

43. (Currently Amended) A treatment method for reducing body perimeter comprising the procedures of:

transmitting ultrasound waves to a region of treatment, at a minimum intensity of 1.5 W/cm²; and

applying electrical stimulation to said region of treatment, wherein said electrical stimulation comprises interferential stimulation.

44. (Previously presented) The treatment method of claim 43, wherein said reduction of body perimeter comprises reducing or eliminating cellulite.

45. (Previously presented) The treatment method of claim 43, wherein said reduction of body perimeter comprises reducing body fat.

46. (Previously presented) The treatment method of claim 43, wherein said reduction of body perimeter is utilized for the body of a human or an animal.

47. (Previously presented) The treatment method of claim 43, wherein said area of treatment comprises regions of the body selected from the list consisting of: legs, thighs, knees, buttocks, abdomen, and arms.

48. (Previously presented) The treatment method of claim 43, wherein said treatment method is utilized for reducing and eliminating post-pregnancy stretch marks on the abdomen and mid-sections of women.
49. (Previously presented) The treatment method of claim 43, wherein said treatment method is utilized for reducing and eliminating at least one selected from the list consisting of: sagging skin; skin having stretch marks on it, and skin affected by cellulite.
50. (Previously presented) The treatment method of claim 49, wherein said sagging skin comprises sagging upper arm skin.
51. (Previously presented) The treatment method of claim 43, wherein said treatment method is utilized for at least one of the list consisting of:
- rendering the general appearance of said sagging skin to look and feel smooth;
- returning said appearance of said sagging skin to the state it appeared before sagging.
52. (Previously presented) The treatment method of claim 43, wherein said procedure of transmitting ultrasound waves comprises transmitting ultrasound waves at a frequency ranging between 1 to 4 MHz.
53. (Currently Amended) The treatment method of claim 43, wherein said procedure of transmitting ultrasound waves comprises transmitting ultrasound waves at an intensity of approximately ranging between 1.5 to 3 W/cm².
54. (Previously presented) The treatment method of claim 43, wherein said ultrasound waves are transmitted for a duration of 40 to 45 minutes.
55. (Canceled)
56. (Previously presented) The treatment method of claim 43, wherein said ultrasound waves are transmitted at a frequency of approximately 3 MHz.
57. (Canceled)

58. (Previously presented) The treatment method of claims 43, wherein said ultrasound waves are transmitted at a frequency of approximately 1 MHz.
59. (Cancelled)
60. (Previously presented) The treatment method of claim 43, wherein the frequency of said ultrasound waves is varied over time.
61. (Previously presented) The treatment method of claim 43, wherein pressure exertion is provided on said region of treatment during said transmission of ultrasound waves.
62. (Canceled)
63. (Canceled)
64. (Canceled)
65. (Previously presented) The treatment method of claim 61, wherein said pressure exertion comprises manual pressure with a transducer head of an ultrasound apparatus against said region of treatment.
66. (Previously presented) The treatment method of claim 65, wherein said transducer head is used to provide a massaging action to said region of treatment.
67. (Previously presented) The treatment method of claim 66, wherein said massaging action comprises moving said transducer head in ways selected from the list consisting of:
- small circular motions all the while keeping the wrist straight; and
- tilting and moving the wrist in different directions repetitively.
68. (Previously presented) The treatment method of claim 61, wherein said pressure exertion comprises mechanical massaging.
69. (Previously presented) The treatment method of claim 61, wherein said pressure exertion comprises manual massaging.

70. (Previously presented) The treatment method of claim 61, wherein said pressure exertion comprises a massage given by bare hands.
71. (Canceled)
72. (Previously presented) The treatment method of claim 43, wherein said procedure of applying electrical stimulation comprises applying electrical stimulation at an intensity range between 5 mA to 90 mA.
73. (Previously presented) The treatment method of claim 43, wherein said procedure of applying electrical stimulation comprises applying electrical stimulation at a frequency range between 5 Hz to 150 Hz.
74. (Previously presented) The treatment method of claim 43, wherein said interferential stimulation is selected from the list consisting of:
- premodulated;
- biphasic;
- interferential (I/F) isoplanar (4 poles);
- interferential (I/F) vectorial (4 poles); and
- medium frequency (M/F).
75. (Previously presented) The treatment method of claim 43, wherein said interferential stimulation is used in a pattern variation, wherein said pattern variation lasts for varying durations, and wherein said pattern variation comprises changing said interferential stimulation during a treatment session.
76. (Previously presented) The treatment method of claim 73, further comprising the procedure of varying the frequency of operation of said electrical stimulation over time within said frequency range.

77. (Previously presented) The treatment method of claim 76, wherein said variation over time of said frequency of operation is selected from the list consisting of:
- applying a first frequency for a fixed amount of time before switching to a second frequency;
- gradually changing frequencies from a first frequency to a second frequency over various time durations; and
- intermittently applying extreme frequencies within said frequency range.
78. (Previously presented) The treatment method of claim 43, further comprising the procedure of varying an ultrasound frequency, wherein the rate a variation of said ultrasound frequency is inversely proportional to an operational parameter of said electrical stimulation apparatus, said operational parameter selected from the list consisting of:
- the rate of variation of operational frequency;
- the rate of variation of intensity; and
- the rate of variation of an operational pattern.
79. (Previously presented) The treatment method of claim 43, further comprising the procedure of applying a gel rubbed on said region of treatment in conjunction with said transmission of ultrasound waves.
80. (Canceled)
81. (Previously presented) The treatment method of claim 43, further comprising the procedure of recording said treatment using a camera.
82. (Previously presented) The treatment method of claim 81, further comprising the procedure of using a processor for controlling said electrical stimulation, said ultrasound waves, and said camera, and for recording a patient's measurements.

83. (Withdrawn) A measuring method comprising the procedures of
- standing a patient in an upright position, with said patient's arms down;
 - measuring and recording the height of a region of treatment from the floor;
 - measuring said region of treatment using a measuring apparatus with a pressure gauge attached to it;
 - measuring said region of treatment in a horizontal fashion, such that said measuring apparatus is placed around said region of treatment in parallel to the floor;
 - measuring said region of treatment using said measuring apparatus with said pressure gauge attached to it with a specific pressure exerted on said region of treatment and recording said measurement; and
 - measuring said region of treatment a subsequent time using said measuring apparatus with said pressure gauge attached to it at said height of said region of treatment from the floor with said specific pressure exerted on said region of treatment, with said measuring apparatus being horizontal to the floor while measuring said region of treatment.
84. (Previously presented) The treatment method of claim 43, further comprising the procedure of measuring said body perimeter for determining reduction thereof, said procedure of measuring comprising the sub-procedures of:
- standing a patient in an upright position, with said patient's arms down in order to maintain a consistent posture;
 - measuring and recording the height of a region of treatment from the floor in order to maintain a consistent vertical point from the floor at which a circumference measurement is taken;
 - measuring said region of treatment using a measuring apparatus with a pressure gauge attached to it in order to maintain a constant pressure on the skin;

measuring said region of treatment in a horizontal fashion, such that said measuring apparatus is placed around said region of treatment in a plane parallel to the floor on which said patient is standing;

measuring said region of treatment using said measuring apparatus with said pressure gauge attached to it with a given pressure exerted on said region of treatment and recording said measurement; and

measuring said region of treatment a subsequent time thereafter using said measuring apparatus with said pressure gauge attached to it at said height of said region of treatment from the floor with said given pressure exerted on said region of treatment, with said measuring apparatus being in a horizontal plane to the floor while measuring said region of treatment.